

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the present application:

Claim 1 (Currently Amended) A process of producing a fermentation product in a fermentation medium which medium process comprises ~~a fermentation step including subjecting liquefied mash to a carbohydrate source generating enzyme and a fermenting microorganism~~, wherein the process comprises a fermentation step, wherein said fermentation step comprises:

- (a) introducing ~~the~~ a fermenting organism into the fermentation medium,
- (b) adding said a glucoamylase or an alpha-amylase, or mixtures thereof, ~~carbohydrate generating enzyme~~ after the lag phase of the fermenting organism,
- (c) fermenting under conditions suitable for producing the fermentation product.

Claim 2 (Currently Amended). The process of claim 1, wherein the glucoamylase or an alpha-amylase, or mixtures thereof, ~~carbohydrate source generating enzyme~~ is added when the exponential growth phase of the fermenting organism is initiated.

Claim 3 (Previously Presented). The process of claim 1, wherein said fermenting organism is yeast.

Claim 4 (Cancelled)

Claim 5 (Original). The process of claim 1, wherein said fermentation product is ethanol.

Claim 6 (Original). The process of claim 1, wherein said fermentation step is part of a simultaneous saccharification and fermentation process.

Claim 7 (Withdrawn). A process for producing a fermentation product, comprising

- (a) milling whole grains;
- (b) liquefying the product of step (a);
- (c) introducing the fermenting organism into the liquefied product obtained in step (b),
- (d) adding the carbohydrate-source generating enzyme after the lag phase of the fermenting organism, and
- (e) fermenting under conditions suitable for producing the desired fermentation product.

Claim 8 (Withdrawn). The process of claim 7, wherein the carbohydrate-source generating enzyme is added when the exponential growth phase of the fermenting organism is initiated.

Claim 9 (Withdrawn). The process of claim 7, further comprising distilling the fermented material.

Claim 10 (Withdrawn). The process of claim 7, wherein the carbohydrate-source generating enzyme is a glucoamylase or an alpha-amylase, or mixtures thereof, wherein the alpha-amylase is an acid fungal alpha-amylase and the mixture of acidic fungal alpha-amylase activity (AFAU) per glucoamylase activity (AGU) (AFAU per AGU) is at least 0.1, in particular at least 0.16, such as in the range from 0.12 to 0.50.

Claim 11 (Withdrawn). The process of claim 7, wherein said fermenting organism is yeast.

Claim 12 (Withdrawn). The process of claim 7, wherein the fermentation product is ethanol.

Claim 13 (Currently Amended) The process of claim 16 ~~claim 4~~, wherein the AFAU per AGU is at least 0.16.

Claim 14 (Currently Amended) The process of claim 16 ~~claim 4~~, wherein the AFAU per AGU is in the range from 0.12 to 0.50.

Claim 15 (New) The process of claim 1, wherein the alpha-amylase is an acid fungal alpha-amylase.

Claim 16 (New) The process of claim 1, wherein the mixture of acidic fungal alpha-amylase activity (AFAU) per glucoamylase activity (AGU) (AFAU per AGU) is at least 0.1.